Sheet 1 of 4

TRANSMITTAL FORM FOR FILING PATENT APPLICATION

Attorney Docket No.: TYCO-013XX

WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP Ten Post Office Square

Boston, Massachusetts 02109 Telephone: (617) 542-2290 Telecopier: (617) 451-0313

BOX PATENT APPLICATION
U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Express Mail No: EV 009949129 US

Date: November 28, 2001

First Named Inventor or Application

Identifier: Kenneth V. Puglia

| Allington, va 22202 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sir: |
| Transmitted herewith under 37 CFR § 1.53 for filing is the patent application of: |
| Inventor: Kenneth V. Puglia |
| Entitled: SENSOR FRONT-END WITH PHASE CODING CAPABILITY |
| This is a request for filing a [] continuation [] divisional [] continuation in-part application under §1.53(b) of prior Application No, filed, entitled: |
| Enclosed are: [XI 23 pages of written description, claims and Abstract, inclusive |
| [X] 10 sheets of [X] informal [] formal drawings of Figs. 1-10 (one set) |
| [X] Oath or Declaration [X] Newly executed (original or copy) [] Copy from prior application (37 CFR 1.63(d)) (for continuation/divisional). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. [] To be filed later |
| [X] Cover sheet and Assignment of the invention to: TYCO Electronics Corporation |
| [] Certified copy of a application (if foreign priority is claimed) with letter claiming priority under Rule 55. |
| [] Information Disclosure Statement with citations |
| [] Preliminary amendment is enclosed. |
| [X] Return receipt postcard |
| [] Small entity status is entitled to be, and hereby is, asserted for this |

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application.

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TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

| [] | Other: | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| [] | Priority is claimed under 35 USC § 120 as indicated on the attached sheet 4. | | | | | |
| [] | Priority is claimed under 35 USC $\S119(a)-(d)$ as indicated on the attached sheet 4. | | | | | |
| [] | Priority is claimed under 35 USC $\S119$ (e) as indicated on the attached sheet 4. | | | | | |
| [] | is hereby appointed Associate Attorney by: | | | | | |
| sout. | Registration No.: | | | | | |
| 100-1 | Attorney of Record | | | | | |
| T. | Registration No.: | | | | | |
| | | | | | | |
| The state of the s | Power of Attorney in the originally-filed application has been granted to one or more of the registered attorneys listed below. The attorneys listed below not previously granted power in the originally-filed application, as well as, are hereby given associate power: Registration No.: | | | | | |
| will will result their | Salvatore Anastasi, Reg. No. 39,090 Robert J. Kapalka, Reg. No. 34,198 Michael J. Aronoff, Reg. No. 37,770 Driscoll A. Nina, Jr., Reg. No. 34,685 Stephen J. Driscoll, Reg. No. 37,564 Bruce J. Wolstoncroft, Reg. No. 32,075 | | | | | |
| | Cancel in this application original claimsof the pri- application before calculating the filing fee. | | | | | |
| [] | Add in this application claims per amendment before calculating | | | | | |

| CLAIMS FILED: | MINUS BASE: | EXTRA CLAIMS: | RATE: | BASIC FEE: |
|---------------------|---------------------|-----------------------|-----------------|------------|
| | | | | \$740.00 |
| Independent | 2 - 3 | = 0, | x \$84.00 = | 0.00 |
| Total | 12 - 20 | = 0 | x \$18.00 = | 0.00 |
| [] Multiple De | pendent Claims (| lst presentation) | + \$280.00 = | 0.00 |
| | | SUBTOTAL | FILING FEE | \$740.00 |
| Small Entity filing | g, divide by 2. (Sm | all Entity status mus | t be asserted.) | N/A |
| | | TOTAL | FILING FEE | \$740.00 |

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fee.

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TRANSMITTAL FOR FILING PATENT APPLICATION (CONTINUED)

- The filing fee has been calculated above; a check in the amount of \$740.00 [X]is enclosed.
- The filing fee will be submitted at a later date. []
- In the event a Petition for Extension of Time under 37 CFR §1.17 is required [X]by this paper and not otherwise provided, such Petition is hereby made and authorization is provided herewith to charge Deposit Account No. 23-0804 for the cost of such extension.
- The Commissioner is hereby authorized to charge payment of any additional [X] filing fees under 37 CFR §1.16 associated with this communication or credit any overpayment to Deposit Account No. 23-0804.

Address all future communications to:

TYCO Technology Resources 4550 New Linden Hill Road Suite 450

Wilmington, Delaware 19808-2952

Tel: (302) 633 2763 Fax: (302) 633 2776

Attorney of Record: Stanley M. Schurgin

Registration No. 20,979

17,1

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TRANSMITTAL FOR FILING PATENT APPLICATION (CONTINUED)

Attorney Docket No.: TYCO-013XX

[] Priority is claimed under 35 USC § 120 of prior Application(s) No. , filed , entitled: [] The above-identified application(s) is/are assigned of record to: Priority is claimed under 35 USC § 119 (a)-(d) of the following [] application(s). (Country) (Application Number) (Filing Date) (Filing Date) (Application Number) (Country) (Application Number) (Country) (Filing Date) [] The above-identified application(s) is/are assigned of record to: --Priority is claimed under 35 USC § 119 (e) of the following provisional application(s).

[] The above-identified provisional application(s) is/are assigned of record to:

(Filing Date)

(Filing Date)

(Filing Date)

SUBMIT IN TRIPLICATE

(Application Number)

(Application Number)

(Application Number)

SMS/TPG/mdm/262924